

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/041146 A1

(51) International Patent Classification⁷: **G08C 17/02**,
H04L 12/28, H05B 37/00

(72) Inventor; and

(21) International Application Number:
PCT/GB2004/004403

(75) Inventor/Applicant (for US only): **HARDWICK,**
Michael, Dennis [GB/GB]; Sunny Acres, Bridport Road,
Winterbourne Steepleton, Dorchester DT2 9DX (GB).

(22) International Filing Date: 19 October 2004 (19.10.2004)

(74) Agents: **ATKINSON, Ralph** et al.; Atkinson Burrington,
28 President Buildings, President Way, Sheffield S4 7UR
(GB).

(25) Filing Language: English

(26) Publication Language: English

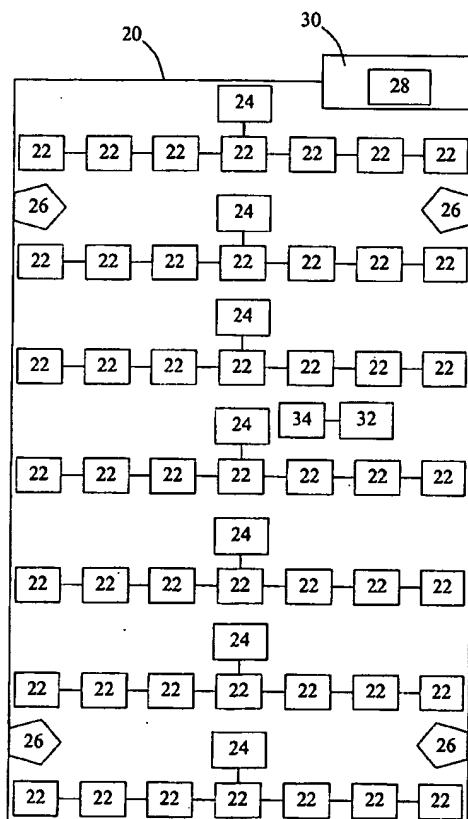
(30) Priority Data:
0324349.0 20 October 2003 (20.10.2003) GB
0325711.0 4 November 2003 (04.11.2003) GB

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(71) Applicant (for all designated States except US): **INTEL-**
LIGENT ELECTRICS (INTELLECTUAL PROP-
ERTY) LIMITED [GB/GB]; Sunny Acres, Bridport
Road, Winterbourne Steepleton, Dorchester DT2 9DX
(GB).

[Continued on next page]

(54) Title: WIRELESS REMOTE CONTROL



(57) Abstract: Lighting units (22) in a room (20) are controlled automatically and remotely in response to motion sensor modules (26) located to cover the area of the room (20). A sensor module (26) detecting movement transmits a radio signal to a controller module (28), which then transmits a corresponding control signal to the responder modules (24), causing them to switch their associated lighting units on and then increase their brightness to a preset level. The system includes an emergency lighting responder module (32) to switch on emergency lighting (34) if mains power fails and is also responsive to ambient light level. Each of the controller module (28), the sensor modules (26) and the responder modules (24) include a radio transceiver and all control and management signals are transmitted from location to location by radio. Other sensor modules (responsive to different variables) and responder modules may be added to build up a wireless building management system.

WO 2005/041146 A1



(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*